

Laboratory Surveillance Report

Influenza (Week ending March 7, 2020)

Surveillance Data Synopsis

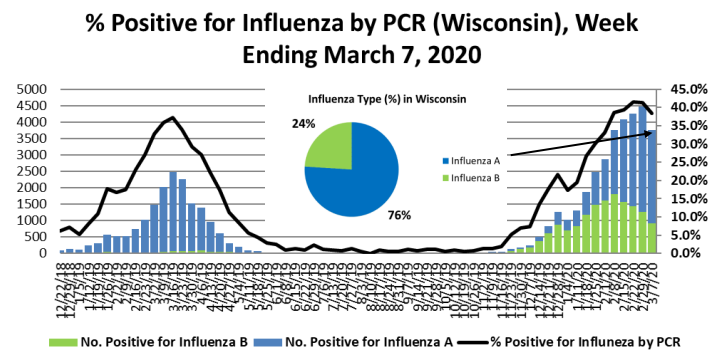
- Nationally, influenza A(H1N1)pdm09 viruses are now the most commonly reported influenza viruses this season. Previously, influenza B/Victoria viruses predominated nationally.
- Influenza activity is near peak levels and decreasing.
- Norovirus was the most frequently reported gastropathogen.

National Influenza Update (CDC)

- Nationally, the CDC reported that 21.5% of the 43,868 specimens tested positive for influenza. Influenza activity is decreasing.
- Influenza A accounted for an increasing percentage (77.5%) of the influenza positives reported in the US.
- 93.4% of the influenza A viruses subtyped were seasonal (H1N1)pdm09.

Wisconsin Influenza Update

- Wisconsin labs reported a total of 38.3% of the 9,813 specimens tested by PCR were positive for influenza virus (A & B).
- Influenza A was the predominant influenza virus (75.5%).
- Of the influenza viruses subtyped at WSLH, 78% were influenza A (H1N1) pdm2009.



To enhance surveillance activities for influenza viruses, the WSLH asks labs to please send:

- A sampling of specimens from influenza-related hospitalizations (e.g. no more than 1 per week).
- Specimens that fail to subtype (Ct <35) if subtyping for 2009 pdmH1 and H3 were performed.

Other Surveillance Data-Wisconsin

Week Ending March 7, 2020

Resp. Pathogen PCR	# Tested	% Positive
Influenza	9,813	38.3↓
Rhinovirus/ Enterovirus	733	9.1
RSV	2,708	8.2↓
Adenovirus	46	6.5
Human metapneumovirus	772	6.0
Parainfluenza	751	1.1
Seasonal coronaviruses	46	2.2
<i>B. pertussis</i>	378	<1

Respiratory

- Influenza A and RSV activities are decreasing.

Gastropathogens

- Other gastropathogens reported included EPEC (2.8%), EAEC (3.8%), ETEC (<1%), *P. shigelloides* (<1%), *Vibrio sp.* (<1%) and Adeno 40/41 (1.9%).
- *Please send WSLH a sampling of rotavirus positive specimens (e.g. 1 per week).

Week Ending March 7, 2020

GI Pathogen PCR	# Tested	% Positive
Norovirus	381	18.1
Sapovirus	182	2.7
Cryptosporidium	222	1.8
Campylobacter	514	1.6
Salmonella	506	1.0
Giardia	222	<1
Rotavirus	307	<1
STEC	447	1.0
Shigella	371	0
Cyclospora	182	0
<i>E. coli</i> O157	182	<1